

Title (en)
PRE-DISTORTION BASED POWER CONTROL

Title (de)
VORVERZERRUNGSBASIERTE LEISTUNGSANSTEUERUNG

Title (fr)
RÉGLAGE DE PUISSANCE BASÉ SUR UNE PRÉ-DISTORSION

Publication
EP 3061185 B1 20190417 (EN)

Application
EP 14855951 A 20141024

Priority
• US 201361895172 P 20131024
• US 2014062206 W 20141024

Abstract (en)
[origin: WO2015061705A1] An apparatus comprises an amplifier and a pre-distortion circuit coupled to an input of the amplifier. A saturation value of an input signal corresponds to a maximum output power of an output signal of the amplifier. An input target value of the input signal is determined according to the saturation value. The input target value is determined by subtracting an offset from the saturation value or by multiplying a ratio by the saturation value. An average value or an RMS value of the input signal is controlled to be substantially equal to the input target value. A method comprises determining an input target value according to a saturation value, and controlling an input signal according to the input target value.

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CPC (source: EP US)
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